

Target DNA Detection and Quantification

(1) Extension with dTTP, dGTP, dCTP, either with ddATP or without dATP

(SEQ ID NO:2)

5' TGATCAGCAGGCTGAAATCGTCGTGGATTGCAACGACGCCGACGATTCTCGTCCTTTAAGCGCATAGCAT 3'
3' gtegtccg Primer 2 (SEQ ID NO:3) Primer 1

(2) Extension with dATP, dGTP, dCTP, either with ddTTP or without dTTP

5' TGATCAGCAGTGTGAAATCGTCGTGGATTGCAACGACGCCGACGATTCTCGTCCTTTAAGCGCATAGCAT 3'
3' agcagcacc Primer 4 (SEQ ID NO:4) Primer 3

(3) Extension with dATP, dGTP, dTTP, either with ddCTP or without dCTP

5' TGATCAGCAGTGTGAAATCGTCGTGGATTGCAACGACGCCGACGATTCTCGTCCTTTAAGCGCATAGCAT 3'
3' tttag Primer 6 3' agtaaatt Primer 5

Fig. 1

Line represents primer sequence. Small letters a, g, c, and t are bases extended from the primer, some of which are labeled with a detectable marker. u and t are used interchangeably.

Target RNA Detection and Quantification

(1) Extension with dTTP, dGTP, dCTP, either with ddATP or without dATP

(SEQ ID NO:5)

5' UGAUCAGCAGGCUGAAUUCGUCGUGGAUUGCAACGACGCCGACGAUUCUGCUUUUAAAGCGCAUAGCAU 3'
 3'gtcgtccg _____ 5' 3'cggtgctgcggtgct _____ 5' Primer 1
 Primer 2

(2) Extension with dATP, dGTP, dCTP, either with ddTTP or without dTTP

5' UGAUCAGCAGUCUGAAUUCGUCGUGGAUUGCAACGACGCCGACGAUUCUGCUUUUAAAGCGCAUAGCAU 3'
 3'agcagcacc _____ 5' 3'aagagcaggaaa _____ 5' Primer 3
 Primer 4

(3) Extension with dTTP, dGTP, dATP, either with ddCTP or without dCTP

5' UGAUCAGCAGUCUGAAUUCGUCGUGGAUUGCAACGACGCCGACGAUUCUGCUUUUAAAGCGCAUAGCAU 3'
 3'tttag _____ 5' 3'agtaaatt _____ 5' Primer 5
 Primer 6

Fig. 2

Line represents primer sequence. Small letters a, g, c, and t are bases extended from the primer, some of which are labeled with a detectable marker. u and t are used interchangeably.